

FORM PTO-1449 (REV. 2-82)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No. 1103326-0072 CON3	Serial No. 09/690044
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: Lindberg et al.	
		Filing Date:	Group: 1612

UNITED STATES PATENT DOCUMENTS

*Examiner Initial	Document No.							Date	Name	Class	Sub-Class	Filing Date, if Appropriate
g.j.	4	7	3	8	9	7	4	19.04.88	Brändström	514	338	21.04.86
g.j.	5	7	1	4	5	0	4	2/1998	Lindberg et al.	514	338	

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Document No.							Date	Country	Class	Sub-Class	Translation Yes No	
g.j.	9	5	0	1	9	7	7	19.01.95	PCT	—	—		
↓	4	0	3	5	4	5	5	5/1992	DE (Kohl et al.)	—	—		
↓	9	6	0	1	6	2	3	25.01.96	WIPO	—	—		
g.j.	0	3	6	5	9	4	7	02.05.90	EP	—	—		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

g.j.	CA 117:90292, Palomo et al. (1992)
↓	Erlandson et al. "Resolution of the enantiomers of omeprazole..." J. Chromatography (1990) 532:305-319
↓	Chang et al. 1995 "Interphenotype differences ..." Brit. J. Clinical Pharmacology 39: 511-518
g.j.	Rost et al. (1994) "Accelerated caffeine metabolism after omeprazole..." 55: 402-411

Examiner:

Jane T. Fan

Date Considered:

5/8/01

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FORM PTO-1449 (REV. 2-82)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No. 1103326-0072 CON3	Serial No. 01/690,044
		Applicant: Lindberg et al.	
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INFORMATION DISCLOSURE STATEMENT
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UNITED STATES PATENT DOCUMENTS

*Examiner Initial	Document No.								Date	Name	Class	Sub-Class	Filing Date, if Appropriate
Q.J.	4	6	3	6	4	9	9		13.01.87	Brändström et al.	514	222	
Q.J.	5	0	4	5	3	2	1		03.09.91	Makino et al.	424	475	

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Document No.								Date	Country	Class	Sub-Class	Translation Yes No	
Q.J.	0	3	6	5	9	4	7		02.05.90	EP	-	-		
Q.J.	9	5	0	1	7	8	3		19.01/95	WIPO	-	-		
Q.J.	9	2	2	2	2	8	4		23.12.92	WIPO	-	-		
Q.J.											-	-		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Q.J.		Rost et al. (1992) "Increase of cytochrome P450IA2 activity..." 52; 170-180
Q.J.		Marle et al. "Determination of binding affinity of enantiomers..." J>Chromatography (1988) 456: 323-3.

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		Applicant: Lindberg et al.	
		Filing Date:	Group: 1612

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Q.B	4	8	5	3	2	3	0	01.08.89	Lovgren et al..	424	466	
Q.B	4	7	8	6	5	0	5	22.11.88	Lovgren et al..	424	468	

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Document No.							Date	Country	Class	Sub-Class	Translation Yes No	
Q.B	9	6	0	2	5	3	5	01.02.96	WIPO	-	-		
↓	9	4	2	7	9	8	8	08.12.94	WIPO	-	-		
↓	6	2	4	7	9	8	3	16.04.87	EP	-	-		
Q.B										-	-		

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(REV. 2-82) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT
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Atty. Pocket No. Serial No.
1103326-0072 CON 3 09/190,044

Applicant:
Lindberg et al.

Filing Date: Group: 1612

*Examiner Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date, if Appropriate

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-Class	Translation Yes	No
J.T.	4 0 3 5 4 5 5	11/90	DE	-	-	X	
J.T.	0 0 0 5 1 2 9	4/81	EP	-	-		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

J.T.	Cairns, et al. "Enantioselective HPLC determination..."
	Journal of Chromatography 8,666 (1995) 323-328
	Yamada et al. "Synthesis and isomerization of optical active..."
	Chem. Pharm. Bull. 42(8) (1994) 1679-1681
	K. Miwa et al. "Jpn. Pharmacol. Ther. "Proton pump inhibitor in rats, mice and dogs" 18 (1990) 165-187 (transl.)
	H. Katsuki et al. "Determination of R(+)- and S(-)-Lansoprazole
	Pharmaceutical Research 13(4) (1996) 611-615
J.T.	M. Tanaka et al. "Direct determination of pantoprazole enantiomers..." Anal. Chem. 68 (1996) 1513-1516

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Atty. Docket No.
1103326-0072

Serial No.
3 9/69, 044

Applicant:
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	Document No.	Date	Country	Class	Sub-Class	Translation Yes	No
Q.T.	0 1 2 4 4 9 5	1/87	EP				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Q.T.	P. Lindberg et al. "Omeprazole: The first proton pump inhibitor" Medicinal Res. Rev. 10 (1990) 2-50
↓	P. Lindberg et al. "The mechanism of action of...omeprazole" Journal of Medicinal Chemistry 29 (1986) 1327
↓	A. Brandstrom "Chemical reactions..." Reprint from ACTA CHEMICA SCANDINAVICA" 43 (1989) 536-611
Q.T.	K. Sigrist-Nelson et al. "Ro 18-5364, a potent inhibitor of the gastric (H ⁺ + K ⁺)-ATPase" Eur. J. Bioch. 166 (1987) 453

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FORM PTO-1449 (REV. 2-82)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No.	Serial No.
		1103326-0072 CON3	09/690,342
		Applicant: Lindberg et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date:	Group:
			1612

UNITED STATES PATENT DOCUMENTS

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Q.7	5	6	9	0	9	6	0	25.11.1997	Bengtsson et al.	424	480	
	5	8	1	7	3	3	8	06.10.1998	Bergstrand et al.	424	468	
	5	8	8	8	5	3	5	30.03.1999	Gray	424	449	
	5	8	7	7	1	9	2	02.03.1999	Lindberg et al.	514	338	
Q.7	5	9	0	0	4	2	4	04.05. 1999	Källström et al.	514	338	

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Q.7	Sverker von Unge et al., "Stereochemical assignment of the enantiomers of omeprazole from X-ray analysis of a fenchyloxymethyl derivative of (+)-(R)-omeprazole
Q.7	Japanese Chemical Society: Special Topics in Experimental Chemistry - Organic Reactions II (1958)

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